



MATERIAL SAFETY DATA SHEET #4304

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I. PRODUCT IDENTIFICATION

Product: LESCO® Professional Control Product Atrazine 0.45% Plus Fertilizer, LESCO® Atrazine 0.45% Plus Fertilizer, MIDDLETON Atrazine 0.45% Plus Fertilizer, LESCO® Professional Control Product Atrazine 0.76% Plus Fertilizer, LESCO® Professional Control Product Atrazine 0.92% Plus Fertilizer, LESCO® Atrazine 0.92% Plus Fertilizer, MIDDLETON Atrazine 0.92% Plus Fertilizer, LESCO® Professional Control Product Atrazine 1.05% Plus Fertilizer, LESCO® Atrazine 1.05% Plus Fertilizer, MIDDLETON Atrazine 1.05% Plus Fertilizer, LESCO® Professional Control Product St. Augustine Weed & Feed, LESCO® 17-4-6 St. Augustinegrass Weed & Feed, LESCO® St. Augustine Weed & Feed, LESCO® Scenic Green™ St. Augustine Weed & Feed

Chemical Family: Triazine Herbicide

Chemical Name/Synonyms: Atrazine

II. PRODUCT INFORMATION: INGREDIENTS

Chemical Name	TLV/TWA	%(by wt.)	CAS#
Atrazine: 2-chloro-4-ethylamino-6-isopropylamino-s-triazine	5 mg/m ³	Various	1912-24-9

Formulated with one or more of the following ingredients. Check specific product label.

Urea	10 mg/M ³ (dust) 5 mg/M ³ (resp)	0-99	57-13-6
Potassium Chloride	10 mg/M ³	0-95	7447-40-7
Potassium Sulfate	10 mg/M ³	0-95	7778-80-5
Monoammonium Phosphate	15 mg/M ³ (dust) 5 mg/M ³ TLV	0-95	7722-76-1
Diammonium Phosphate	15 mg/M ³ (dust) 5 mg/M ³ (resp)	0-95	7783-28-0
Ammonium Sulfate	15 mg/M ³ (dust)	0-95	7783-20-2
Calcium Carbonate	ND	0-95	1317-65-3
Sulfur	5 ppm(SO ₂)	0-20	7704-39-9
Iron Oxide	15 mg/M ³ (dust)	0-10	1309-37-1
Iron Sulfate	15 mg/M ³ (dust)	0-10	7720-78-7
Manganese Oxide	15 mg/M ³ (dust)	0-10	1317-35-7
Magnesium Sulfate	15 mg/M ³ (dust)	0-10	7478-88-9

III. PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point: NA	Specific Gravity (water=1): NA
Melting Point: 133° C(urea)	Bulk Density (lbs./cu. ft.): 45-65
Vapor Pressure (mm Hg): 6.6 X 10 ⁻⁷ @ 25° C	Evaporation Rate: NA
Vapor Density (air = 1): NA	Percent Volatile: NA
Solubility in Water: 33 ppm @ 22° C(atrazine)	Appearance and Odor: Granules- gray, yellow, white
pH: NA	Little odor.

IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point (method Used): >200° C (Pensky-Martens CC)	Auto Ignition Temperature: 480° C
Lower Explosion Limits: NA	Upper Explosion Limits: NA
NFPA/HMIS RATING: HEALTH 1	FIRE 1
Extinguishing Media: [X] Foam	[] Alcohol Foam
[] Water Spray	[] Other
	REACTIVITY 0
	[X] Dry Chemical
	[X] CO ₂

Special Fire-Fighting Procedures: Wear NIOSH approved positive pressure, self-contained breathing apparatus. Foam system is preferred because uncontrolled water can spread possible contamination. Prevent run-off from entering drains, sewers or bodies of water. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products from combustion. Prevent use of contaminated buildings, area and equipment until decontaminated. Fertilizer will become slippery when wet. Guard against falls.

Unusual Fire and Explosion Hazards: Toxic irritating gases may be formed above 160° C(320° F). At high temperatures, nitrogen containing fertilizer can form cyanuric acid, hydrogen cyanide and ammonia. Ammonium carbamate may also be formed. Contamination with strong acids may create an explosion hazard.

V. HEALTH HAZARDS

Primary Route(s) of Entry: Skin, eyes, inhalation, ingestion.

Signs & Symptoms of Exposure

Acute: Slight, temporary eye or skin irritation may occur. Repeated skin contact may cause a sensitization (allergic) reaction in sensitive individuals.

Chronic: None

Emergency First-Aid Procedures

Eyes: Immediately rinse eyes with a large amount of running water. Hold eyelids apart to rinse the entire surface of the eye and lids. Do not apply any medicating agents except on the advice of a physician.

Skin: Wash with plenty of soap and water, including hair and under fingernails. Do not apply any medicating agents except on the advice of a physician. Remove contaminated clothing and wash before reuse.

Inhalation: Move victim from contaminated area to fresh air. Apply artificial respiration if necessary.

Ingestion: There is no specific antidote if atrazine is ingested. Induce emesis or lavage stomach. If a small amount has been ingested, administration of activated charcoal in water can be considered. Based on the acute oral LD₅₀ in rats, ingestion of a fatal dose in an adult human is unlikely to occur.

Notes to Physician: Persons with allergy history or pre-existing dermatitis should use extra precautions in handling atrazine.

Toxicity Information:

Oral LD₅₀: Acute: 3,090 mg/kg(Rat)

Inhalation LC₅₀: 1.8 mg/l (Rat-4 hours)

Skin Irritation: Slightly Irritating (Rabbit)

Dermal LD₅₀: Acute: >3,100 mg/kg (Rat)

Eye Irritation: Slightly Irritating (Rabbit)

Skin Sensitization: Sensitizer (Guinea Pig)

Positive Teratogen or Mutagen Carcinogen(NTP): No

Potential Carcinogen (IARC or OSHA): No

VI. REACTIVITY

Stability: ☒ Stable ☐ Unstable

Conditions to Avoid: Avoid storage under high temperatures.

Incompatibility: None known.

Hazardous Decomposition Products: Carbon monoxide, Hydrogen cyanide, Acetonitrile, cyanuric acid from urea. Urea also decomposes to biuret and cyanuric acid. Urea reacts with sodium or calcium, hypochlorite to form explosive nitrogen trichloride.

Hazardous Polymerization: ☒ Will not occur ☐ Will occur

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

If material is spilled: Sweep, vacuum or shovel material into a container for reuse or disposal. Do not allow product to contaminate drains, sewers, streams, ditches or bodies of water. Prevent large quantities from contacting vegetation. Keep animals away from large spills. Wear personal protection equipment. Wash the spill area with water containing a strong detergent, absorb with pet litter or other absorbent material, sweep up and place in a chemical container. Seal container and handle in an approved manner. Flush the spill area with water to remove any residue. Do not allow wash water to contaminate water supplies.

Waste Disposal Method: Dispose according to Federal EPA procedures as outlined in the Resource Conservation Recovery act (RCRA) and follow state and local guidelines. Triple rinse and puncture or otherwise be certain that product containers are empty before disposal. Do not reuse.

VIII. SPECIAL PROTECTION INFORMATION

Protective Equipment Suggested for Outdoor Application:

☒ Impervious Gloves ☐ Dust Mask ☐ Respirator (use NIOSH/MSHA approved)

☒ Impervious Boots ☒ Clean Clothing ☒ Eye Goggles / Safety Glasses

Protective Equipment Suggested for Confined Areas:

☒ Sufficient Ventilation ☐ Respirator (use NIOSH/MSHA approved) ☒ Dust Mask

☒ Splash Goggles/ Safety Glasses ☒ Eyewash Station

☒ Emergency Shower ☐ Impervious Apron

IX. STORAGE AND HANDLING

Precautions: Store in a cool, dry place if possible. Separate from other pesticides, fertilizers, seed, feed, foodstuffs, and away from drains, sewers, and water sources.

Other Precautions: Keep out of reach of children. Practice good care and good safety precautions when handling this product. Avoid contact with eye, skin and clothing. Avoid breathing dust. Store in temperature below 100° F (38° C). Do not swallow. Wash thoroughly after handling.

X. FEDERAL REGULATORY INFORMATION:

SARA TITLE III; SEC. 311/312 HAZARD CATEGORIES

Y Immediate (Acute) Health

Y Delayed (Chronic) Health

N Fire

N Sudden Release of Pressure

N Reactivity

SEC 302: N/A

SEC 304: N/A

SEC 313: N/A

CERCLA RQ: N/A

CAA RQ: N/A

EPA Reg. No.: 10404-39, 10404-94, 10404-95, 10404-96, 35512-34-10404, 8660-41-10404, 10404-94, 10404-95, 10404-96

HM 181 Shipping Name: Not Regulated.

NA = Not Applicable ND = Not Determined

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